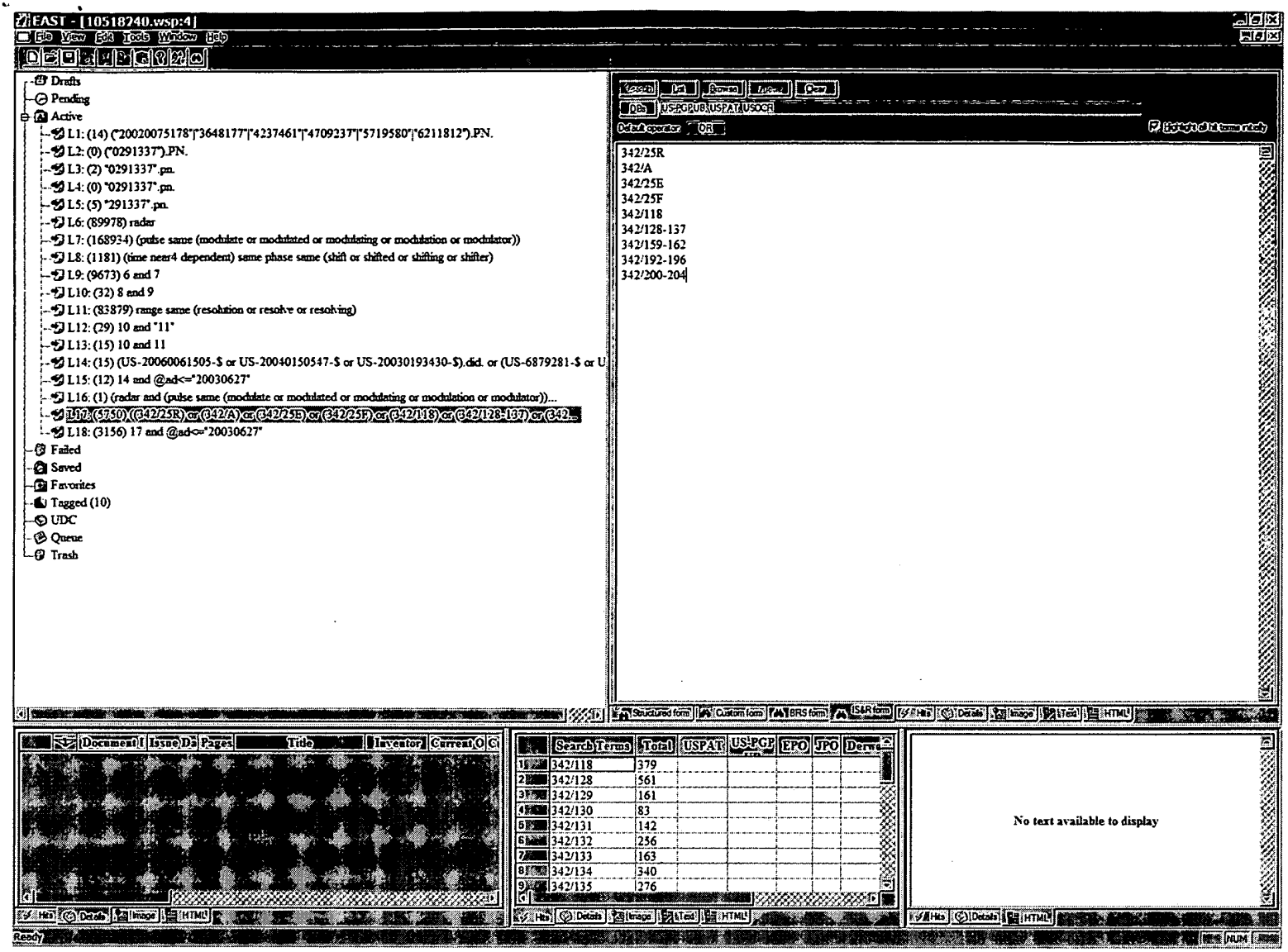
EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	14	("20020075178"|"3648177"|"4237461"|"4709237"|"5719580"|"6211812").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 09:14
L2	0	("0291337").PN.	EPO	OR	OFF	2006/04/17 09:15
L3	2	"0291337".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 09:15
L4	0	"0291337".pn.	EPO; DERWENT	OR	ON	2006/04/17 09:15
L5	5	"291337".pn.	EPO; DERWENT	OR	ON	2006/04/17 09:29
L6	89978	radar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 09:30
L7	168934	(pulse same (modulate or modulated or modulating or modulation or modulator))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 09:34
L8	1181	(time near4 dependent) same phase same (shift or shifted or shifting or shifter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 09:30
L9	9673	6 and 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 09:30
L10	32	8 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 09:30

EAST Search History

L11	83879	range same (resolution or resolve or resolving)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 09:31
L12	29	10 and "11"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 09:31
L13	15	10 and 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 09:32
L14	15	(US-20060061505-$ or US-20040150547-$ or US-20030193430-$).did. or (US-6879281-$ or US-6870500-$ or US-6624783-$ or US-6587072-$ or US-6427122-$ or US-6225943-$ or US-6222933-$ or US-5013979-$ or US-4370652-$ or US-3594795-$). did. or (US-3199106-$).did. or (WO-2004005961-$).did.	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2006/04/17 09:32
L15	12	14 and @ad<="20030627"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 09:37
L16	1	(radar and (pulse same (modulate or modulated or modulating or modulation or modulator)) and ((time near4 dependent) same phase same (shift or shifted or shifting or shifter))).clm.	US-PGPUB	OR	ON	2006/04/17 09:35
L17	5750	((342/25R) or (342/A) or (342/25E) or (342/25F) or (342/118) or (342/128-137) or (342/159-162) or (342/192-196) or (342/200-204)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/17 09:37
L18	3156	17 and @ad<="20030627"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 09:38

Interference Search


EAST - [10518240.wsp:4]
File View Edit Tools Window Help
Drafts
Pending
Active
L1: (14) ("20020075178"|"3648177"|"4237461"|"4709237"|"5719580"|"6211812").PN.
L2: (0) ("0291337").PN.
L3: (2) "0291337".pn.
L4: (0) "0291337".pn.
L5: (5) "291337".pn.
L6: (89978) radar
L7: (168934) (pulse same (modulate or modulated or modulating or modulation or modulator))
L8: (1181) (time near4 dependent) same phase same (shift or shifted or shifting or shifter)
L9: (9673) 6 and 7
L10: (32) 8 and 9
L11: (83879) range same (resolution or resolve or resolving)
L12: (29) 10 and "11"
L13: (15) 10 and 11
L14: (15) (US-20060061505-$ or US-20040150547-$ or US-20030193430-$).did. or (US-6879281-$ or U
L15: (12) 14 and @ad<="20030627"
L16: (1) (radar and (pulse same (modulate or modulated or modulating or modulation or modulator))...
L17: (3750) (342/25R) or (342/A) or (342/25E) or (342/25F) or (342/118) or (342/128-137) or (342...
L18: (3156) 17 and @ad<="20030627"
Failed
Saved
Favorites
Tagged (10)
UDC
Queue
Trash
DBs USPGPUB;USPAT;USOCR
Default operator: OR
342/25R
342/A
342/25E
342/25F
342/118
342/128-137
342/159-162
342/192-196
342/200-204
Structured form
Custom form
BRS form
IS&R form
Document I
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Pages
Title
Inventor
Current O
Search Terms
Total
USPAT
US-PGP
EPO
JPO
Derwe
1 342/118 379
2 342/128 561
3 342/129 161
4 342/130 83
5 342/131 142
6 342/132 256
7 342/133 163
8 342/134 340
9 342/135 276
No text available to display
Ready

EAST - [10518240.wsp:4]

File View Edit Tools Window Help

- Drafts
- Pending
- Active
  - L1: (14) ("20020075178"|"3648177"|"4237461"|"4709237"|"5719580"|"6211812").PN.
  - L2: (0) ("0291337").PN.
  - L3: (2) "0291337".pn.
  - L4: (0) "0291337".pn.
  - L5: (5) "291337".pn.
  - L6: (89978) radar
  - L7: (168934) (pulse same (modulate or modulated or modulating or modulation or modulator))
  - L8: (1181) (time near4 dependent) same phase same (shift or shifted or shifting or shifter)
  - L9: (9673) 6 and 7
  - L10: (32) 8 and 9
  - L11: (83879) range same (resolution or resolve or resolving)
  - L12: (29) 10 and "11"
  - L13: (15) 10 and 11
  - L14: (15) (US-20060061505-$ or US-20040150547-$ or US-20030193430-$).did. or (US-6879281-$ or U...
  - L15: (12) 14 and @ad<="20030627"
  - L16: (1) (radar and (pulse same (modulate or modulated or modulating or modulation or modulator)))...
  - L17: (5750) ((342/25R) or (342/A) or (342/25E) or (342/25F) or (342/118) or (342/128-137) or (342...
  - L18: (3156) 17 and @ad<="20030627"
- Failed
- Saved
- Favorites
- Tagged (10)
- UDC
- Queue
- Trash

DBs: US-PGPUB

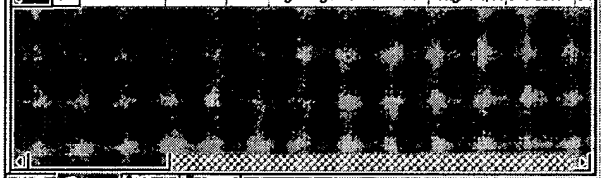
Default operator: OR

(radar and (pulse same (modulate or modulated or modulating or modulation or modulator)) and ((time near4 dependent) same phase same (shift or shifted or shifting or shifter))).chn.

Interference search

Structured form | Custom form | BRS form | ISAR form | Hits | Details | Image | Text | HTML

		Document I	Issue Da	Pages	Title	Inventor	Current O	C
1	P	US 2006006	2006032	13	High range resolution radar	Kinghorn; A	342/25A	34



Hits | Details | Image | HTML

	Search Terms	Total	USPAT	US-PGP	EPO	JPO	Derwe
1	DEPENDENT	224209					
2	DEPENDENTS	546					
3	MODULATE	44911					
4	MODULATED	76306					
5	MODULATEDS	0					
6	MODULATES	28661					
7	MODULATING	47210					
8	MODULATING	0					
9	MODULATION	86236					

Hits | Details | Image | Text | HTML

PGPUB-DOCUMENT-NUMBER:	20060061505
PGPUB-FILING-TYPE:	
DOCUMENT-IDENTIFIER:	US 20060061505 A1
TITLE:	High range resolution radar system
PUBLICATION-DATE:	March 23, 2006

INVENTOR-INFORMATION:

Hits | Details | HTML

Ready

NUM

SEARCH NOTES FOR EAST, IEEE, INSPEC, IP.COM, AND PROQUEST

SERIAL NUMBER 10518240

EAST SEARCH

EAST: search history attached
Search terms:
radar

(pulse same (modulate or modulated or modulating or modulation or modulator))

(time near4 dependent) same phase same (shift or shifted or shifting or shifter)

changed at discrete time intervals, to the radar pulse at substantially the radar transmission frequency

comprises' applying a time-dependent phase shift, changed at discrete time intervals, to the received radar pulse at substantially the radar transmission frequency;

sampling the received signal at discrete time intervals which are an integral number of the time intervals of the time- dependent phase shift

IEEE SEARCH

Search terms:
radar <and> (pulse <paragraph> (modulate <or> modulated <or> modulating <or> modulation <or> modulator)) <and> (time near/4 dependent) <paragraph> phase <paragraph> (shift <or> shifted <or> shifting <or> shifter)

No results were found.

radar <and> (pulse <paragraph> (modulate <or> modulated <or> modulating <or> modulation <or> modulator)) <and> (time near/4 dependent)

No results were found.

radar <and> (pulse <paragraph> (modulate <or> modulated <or> modulating <or> modulation <or> modulator)) <and> (distance <or> range) <and> resolution <and> time <and> dependent

1. **LARISSA, a large wavelength radar with interference-dependent spectral signal adaptation**
   Kuschel, H.
   Radar 92. International Conference
   12-13 Oct 1992 Page(s):316 - 319
2. **Analysis of the digital MTI filter with random PRI**
   Vergara-Dominguez, L.
   Radar and Signal Processing, IEE Proceedings F
   Volume 140, Issue 2, Apr 1993 Page(s):129 - 137
3. **A signal-dependent time-frequency representation: optimal kernel design**
   Baraniuk, R.G.; Jones, D.L.
   Signal Processing, IEEE Transactions on [see also Acoustics, Speech, and Signal Processing, IEEE Transactions on]
   Volume 41, Issue 4, Apr 1993 Page(s):1589 - 1602
4. **Time-frequency distribution of multichannel SAR-data for autofocusing of moving targets**
   Rieck, W.
   Radar 97 (Conf. Publ. No. 449)
   14-16 Oct 1997 Page(s):224 - 228
5. **Detection-tracking performance with combined waveforms**
   Rago, C.; Willett, P.; Bar-Shalom, Y.
   Aerospace and Electronic Systems, IEEE Transactions on
   Volume 34, Issue 2, Apr 1998 Page(s):612 - 624
6. **Frequency band selection of radars for buried object detection**
   Cherniakov, M.; Donskoi, L.
   Geoscience and Remote Sensing, IEEE Transactions on
   Volume 37, Issue 2, Mar 1999 Page(s):838 - 845
7. **Spatially distributed target detection in non-Gaussian clutter**
   Gerlach, K.
   Aerospace and Electronic Systems, IEEE Transactions on
   Volume 35, Issue 3, Jul 1999 Page(s):926 - 934
8. **Fully polarimetric bistatic radar scattering behavior of forested hills**
   McLaughlin, D.J.; Yuliang Wu; Stevens, W.G.; Xuehu Zhang; Sowa, M.J.; Weijers, B.
   Antennas and Propagation, IEEE Transactions on
   Volume 50, Issue 2, Feb 2002 Page(s):101 - 110

INSPEC SEARCH

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	radar	unrestricted	119677	show titles
2	INZZ	pulse SAME (modulate OR modulated OR modulating OR modulation OR modulator)	unrestricted	33988	show titles
3	INZZ	time NEAR dependent SAME phase SAME (shift OR shifted OR shifting OR shifter)	unrestricted	358	show titles

4	INZZ	1 AND 2 AND 3	unrestricted	0

"Improved wideband time delay beam-steering", Conference Record of Thirty-Fifth Asilomar Conference on Signals, Systems and Computers 2001, vol.2, p. 1385-90 vol.2, Rabideau-D-J.

IP.COM SEARCH

Search query: radar and (pulse same (modulate or modulated or modulating or modulation or modulator)) and (time and dependent) and phase and (shift or shifted or shifting or shifter) and resolution

Result # 1 Relevance: ✪✪✪✪✪

Time frequency processor for radar imaging of moving targets (USH0001720)

1998-04-07 IPCOM000001698D English (United States)

Conventional radar uses the Fourier transform to generate a radar target image. Constraints on the use of Fourier methods requiring point scatterers to remain in their range cells and requiring Doppler frequency shifts for point scatterers to be stationary are impractical ...

Result # 2 Relevance: ✪✪✪✪

Approaches to Radar Signal Processing

1983-06-01 IPCOM000131616D English (United States)

Separating desirable from undesirable signals requires a number of signal processing techniques'. For greater accuracy and resolution, most of today's systems use digital computations. The goal of modern radar signal processing is to improve the accuracy and dependability ...

Result # 3 Relevance: ✪✪✪✪

Method for high resolution radar imagery and accurate dimensional measurements (USH0001181)

1993-05-04 IPCOM000001175D English (United States)

This invention involves a method of processing radar returns to form two-dimensional images of targets such as ground vehicles, aircraft, ships, and so forth. Resolution in one dimension is provided by range resolution, and resolution in the other dimension is provided by ...

Result # 4 Relevance: ✪✪✪

What Can Be Automated?: The Computer Science and Engineering Research Study (COSERS)

1980-01-01 IPCOM000128748D English (United States)

It is truly difficult to capture with a single question the essence of research in a diverse and very active area of science and technology, but the query in the title comes very close. This questions was first posed by the late Professor George Forsythe of Stanford ...

PROQUEST SEARCH

Searching for *(radar and (pulse w/para (modulate or modulated or modulating or modulation or modulator))) AND ((time and dependent) and phase) AND ((shift or shifted or shifting or shifter) and resolution)* did not find any documents.